Joint Initiatives at Fort Sill

Joint Initiatives

Joint and Combined Integration Directorate

Joint Fires and Effec Trainer System (JFE

Joint Operational Fi and Effects Course (JOFEC)

Information Operat Course

Joint Terminal Attac Controller Concept (JTAC)

Joint Fires Observer Course (JFO)

Joint Training Exercises

Operational Electronic Warfare Course

Joint and Combined Integration Directorate (JACI)

Organization Chart

- JACI DIRECTOR
  - SECRETARY
  - DEPUTY
    - FOREIGN LNOs
      - LTC Grace, UK
        LTC Kerihuel, French
        MAJ Levatte, Canada
        LTC Kim, Korea
        LTC Heigl, Germany
        CSM Wolfs, Germany
    - Chief, Joint Ops & Trng
      - MI OFFICER
      - SPECIAL OPS
        - Marine Rep (MARDET)
        - ARMY AVN (AVIATOR)
          - CONTRACTED INSTRUCTORS
          - C4ISR Tech
          - NAVAL REP
          - TARGETING WARRANT
        - ARMY FIRES (FA)
      - IO OFFICER
    - AF Doctrine LNO
    - AIR FORCE DETACHMENT COMMANDER
      - AF Det Personnel (8)
        - 2-GS JTAC-I
          - JFO Operator/Instructor X 5

JACI Mission

Serve as the Commanding General's primary staff proponent for all Joint fires and effects related issues, including the development, integration, and execution of all Joint instruction, training, and doctrine development at USAFAS and Fort Sill.

Provide Foreign Liaison Officers to coordinate Joint Fires issues, instruct US and Allied personnel, and coordinate instructor exchange programs.

Prepare, review, and coordinate all Joint issues with the Joint Staff, Component Commands, HQDA, FORSCOM, TRADOC, and the Installation Staff.

Supervise and manage the Joint Operational Fires and Effects Course the Joint Fires Observer Course and Electronic Warfare Course.

Integrate Air Force personnel into Joint training, exercises, and coordinate all live fixed wing air support activities to Fort Sill.

Proponent for the Battlefield Coordination Detachment (BCD).

Responsibilities

FORT SILL

INSTRUCTION

- Joint Operational Fires and Effects Course
- Joint Fires Observer Course
- Army Operational Electronic Warfare Course
- FACCC, RC-CCC
- BOLC III
- BNCOC , ANCOC
- WOBC, WOAC

STAFF

- BCD and GLO Proponent
- JCAS simulation advisor
- Training Transformation, Reset, Doctrine
- TACP CASS Interoperability w/ TCM
- CFFT test-bed

COMBINED

- Joint Air Land Office (UK), US-UK Field Artillery Staff Talks
- Joint Combined Training Capability (AUS)
- Forward Air Controllers Course (Canada)
- Canadian/UK LCMR training
- USA-German Staff Talks French Artillery Transformation Liaison
- Coalition Digital interoperability issues

TRADOC

- Advise PEO-STRI on JCAS Simulations (CFFT, I-FACT, JTC-TRS)
- TRADOC Training Transformation
- Joint Fire Coordination Measure JT&E
- Joint Airspace Command and Control (JACC) JT&E
- Joint Fires rep for ABCA

Advisor to DCSOP&T

- BCD, GLO, JCAS Action Plan
- FAC-A MOA, JTAC MOA
- Air Ground Integration Council of Colonels

Advisor to ARCIC

- Joint Doctrine and TTP
- AAFIF
- ASOC Tiger Team
- Future Joint Fires/Strike Concepts

Responsibilities

✓ ARMY

Army lead for JTC-TRS (G-8)
Army lead for Joint Fires Center of Excellence
PSS-SOF
Principle on JCAS Action Team
Principle for USA-USAF Liaison MOA
Principle for USA-USMC Fires Exchange MOA
Principle for JFO MOA
Principle for JTAC MOA
Joint Airspace Command and Control (JACC) JT&E
Joint Fire Coordination Measure JT&E

✓ USAF

Virtual Flag
Green Flag
ASOC Tiger Team
WEPTAC Briefer

✓ JOINT STAFF

Military Targeting Committee- Army Chair
Joint Targeting Automation Steering Group - Army Chair
Collateral Damage Estimate Working Group

✓ JOINT

PACOM - BCD stand-up (OCT 07)
EUCOM - USAFE JFCOE courses
SOUTHCOM - BCD move from Bragg
NGA - Mensuration issues , GARS, Common Geo-positioning System

JFCOM
- **Joint Urban Fires Prototype**
- **Joint Fires Center of Excellence**
- **PSS-SOF**
- **Primary Fires Rep to ALSA**
- **Fires Rep for ABCA**

CENTCOM
- **Atlantic Strike**
- **JFO Advisor to CAOC (CENTAF)**
- **Joint Advisor to IAG**

SOCOM
- **Jaded Thunder**
- **Joint Integration and Interoperability of Special Operations JT&E**
- **Joint Fires Element**
- **TAGS (Special Operations Univ.)**

Joint Fires and Effects Trainer System

OES, NCOES, WOES, BOLC Training Commenced

"This is the real world."

"Excellent training environment."

"The training was incredible."

"Made me feel like I was back in Baghdad."

"The Army needs to send this to all of the divisions."

- **Immersive Training Simulator – Cognitive Skills**
- **Cooperative Effort Between the Institute for Creative Technologies, PEO STRI, and Fort Sill**
- **Urban Terrain, Open Terrain, and After Action Review Modules Operational**
- **Call for Fire Trainer (CFFT) Integrated**
- **Trainer for Joint Fires Observer (JFO) and Joint Terminal Attack Controller (JTAC)**
- **JFETS Development Plan Working (Type 1 CAS Trainer, UTM Upgrade, Tech Transfer)**

The Future of Joint Training

Joint Fires and Effects Trainer System

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"The Army needs to send this to all of the divisions."

- **CNN Video**
- **OTM with CFFT**
- **UTM**

Joint Operational Fires and Effects Course (JOFEC)

Lets get down to business

- **Joint Audience (All Services Represented)**
- **Two Weeks Resident Training**
- **Focuses on Joint Operational Fires and Effects Integration, Brigade through Joint Task Force**
  - **Joint Doctrine and Operations**
  - **Basics of Information Operations, Effects Based Operations, Space Operations**
  - **Joint Targeting**
  - **Fires and Effects Coordination, Synchronization and Integration**
  - **Digital Systems and Capabilities**

Filling a Training Gap

Tactical Information Operations Course

- **Focused on Tactical Level (BCT and Below)**
- **Open to Other Branches and Agencies**
- **Working in Coordination with the Vermont Army National Guard, 1st Information Operations Command, PYSOP, Civil Affairs, Public Affairs and USMC**
- **Three-week Resident Course, Plus Mobile Training Teams for RC and ARNG**
- **Future Expansion to Distance Learning**
- **Cultural Awareness, Impact of ROE/Legal on IO, MDMP/ IPB/ Targeting Process as they relate to the IO Process, Media, Core and Supporting Elements**

Need Identified in OIF/OEF Lessons Learned

Joint Terminal Attack Controller (JTAC)

". . . will be recognized across DOD as capable and authorized to perform terminal attack control."
JP 3-09.3, Sep 03

- **JTAC MOA Approved**
- **Army Requirement for Terminal Attack Control to Company Level**
- **JTAC – BCT Habitual Association (36 Month Life Cycle Model)**
  - **Air Force JTAC Capability Gap Exists**
- **13Fs Capable of Performing CAS Task**
- **Concept Approved at Army Air Force Warfighter Talks**
- **Training, Equipping, and Resourcing – Significant Issues**
- **Fort Sill is a Viable Training Location - CAS Ranges, Army Controlled Airspace, Facilities**
- **Joint Fires and Effects Trainer System Ideal for Certification and Sustainment Training**

Intended to Fill the Gap in CAS Capability

Joint Fires Observer (JFO)

Requests, adjusts, and controls surface-to-surface fires including field artillery, mortar, and naval gunfire. Authorized to provide targeting information and terminal guidance in support of Types 2 and 3 CAS

- **Army/USAF Initiative**
- **Army Concept Is One Joint Fires Observer Per Platoon**
- **Way Ahead**
  - **Develop Joint Syllabus**
  - **Validate Number of Required Observers**
  - **Determine Initial and Sustainment Training Requirement**
  - **Update JTTP/Service Pubs**
- **Air Force Supports JFO Concept**
- **Establish Additional JFO Training Capability at Fort Sill**

Viable Joint Observer Capability to Platoon Level

Close Air Support Training

Live CAS Training Reinstituted at Fort Sill

- **Close Air Support Training for OBC, CCC, BOLC, NCOES and WOES**
- **Classroom Instruction Provided by Air Force Personnel**
- **Live Fire Training Integrated**

Live Close Air Support Training

Joint Close Air Support Training

USAF Tanker Support

USAF AWACS

USAF F-16 Fighter Squadron

U.S. Navy FA-18 Fight Attack Squadron

Example JCAS Exercise Participants

USAF C-17s

XVIII FA Brigade Fort Bragg

USMC Ground Observers

Fires Brigade Fort Sill

Joint Exercise Support

Virtual Flag

- **Recent Exercises**
  - **Joint Fires Initiative Limited Objective Experiment (JFI-LOE) – Div FSE**
  - **Virtual Flag – BCD, Div Mvr Cell, FA Bde HQ (Counterfire)**
- **Future Exercises**
  - **Virtual Flag**
  - **JFI-LOE**

Supporting Joint Exercises with Fires and Effects Coordination Elements

Operational EW AND EA

EW fundamentals

Fundamentals

- EW Principles
- EW Spectrum Theory
- Electronic Theory
- Radar Theory
- Commo Theory
- JRFL
- Environmental Considerations

EW Operations

- Roles and Responsibilities
- EW Cell Organization and Function
- ATO (Air Planning)
- UAVs
- EW ISO Convoy Ops, TTPs
- EW Deconfliction
- EW and IO
- Joint Combined and Interagency OPS
- Combat OPS vs SRO
- Treat TTP
- EA Deception

EW System

Overview

CREW

- WARLOCK GREEN
- WARLOCK RED
- WARLOCK SSVJ
- WARLOCK ICE
- WARLOCK BLUE
- CREW-2
- CREW-2 Mission Support Equipment

Other Systems

- Prophet
- AH-64D
- SPEA Systems

Joint Systems

- USMC Systems
- USN Systems
- USAF Systems

Threat Systems

- Threat EW
- IED

EW Planning

MDMP

- Msn Analysis
- IPB
- IPB: Electronic Order of Battle
- COA Development
- Targeting
- Assessment
- WARGAMING
- Orders Production

EW PE

- Planning and Mission Execution PE
- TEWT (Tactical Exercise Without Troops)

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